

WEB FRAMES.				Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.	FORGINGS or CASTINGS.		Inches in Ship	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing				1 Painting Web.				KEEL, Bar, depth and thickness		Flat Plate	
" " " brdth. & thickness				21 42 21 42				STEM, moulding and thickness		9 x 2 3/8 9 x 2 3/8	
" " " No of Side Stringers " "								STERN-POST for Rudder do. do.		8 x 5 1/2 8 x 5 1/2	
WEB-FRAMES, In E. & B. Space, No. & spacing				B.A. frames increased in line of web frames				" for Propeller		9 x 5 1/2 9 x 5 1/2	
" " " brdth. & thickness								RUDDER—A x D* Table 22. Speed		221.7 221.7	
WEB-FRAMES, In After Body, No. and spacing								" Main-Piece, diameter at head		7 3/4 7 3/4	
" " " brdth. & thickness								" " " at heel		5 3/4 5 3/4	
" " " No. of Side Stringers " "								RUDDER, how constructed		Single plate	
" " " Size of Face Angles to Web-Frames.....								" Thickness of Plates or Single Plate		1"	
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....								Can the Rudder be unshipped afloat?		yes	
BULKHEADS.				Number.		Thickness.		STIFFENERS.		Single or Double Frames.	
				Vessel. Per Rule.				Horizontal. Vertical.		Height up, state deck.	
								Size. Spacing. Size. Spacing.			
								Inches. Inches. Inches. Inches.			
W.T.BULKHEADS				7 4		.35		BA 8 x 3 1/2 x 44 24		Single R.Q.D.	
				13		.40 .36		10 x 3 1/2 x 46 30		" "	
				30		.44 .34		10 x 3 1/2 x 52 30		" Bridge	
				52		.42 .34		9 x 3 1/2 x 44 30		" Upper	
				74		.38 .34		9 x 3 1/2 x 52 30		" "	
				84		.38 .34		9 x 3 1/2 x 48 30		" "	
" COLLISION				109		.34 .32		8 x 3 x 44 24		" "	
PARTITION				130							
LONGITUDINAL											
Are the outside Plates doubled two spaces of Frames in length? Brackets fitted											
Are the Sluice Valves and Watertight Doors in efficient working order? yes.											
PLATING.						RIVETING.					
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged? ordinary			
		AMIDSHIP.		FORWARD. AFT.		AMIDSHIP.		Single or Double.		BUTTS.	
		Breadth. Thickness.		Thickness. Thickness.		Breadth. Thickness.		Breadth of Lap. Rivets.		Double or Treble and for what Length. Rivets.	
		Inches. Inches.		Inches. Inches.		Inches. Inches.		Inches. Inches. Inches.		Diam. Spacing cr. to cr. Diam. Spacing cr. to cr.	
		Inches. Inches.		Inches. Inches.		Inches. Inches.		Inches. Inches. Inches.		Inches. Inches. Inches.	
FLAT PLATE KEEL.....		43 .80		.64 .58		43 .80 .58		Double 6 1 4		Quadruple 1 3 1/2	
(If Bar Keel, state Riveting.)		73 .50		.42 .42		A 70 .50 .42		5 1/2 7/8 3 1/2		7/8 3 1/2	
GARBOARD OR A Strake		78 .50		.42 .42		B 70 .50 .42		" " " "		" " "	
State actual thickness in way of Double Bottom.		74 .50		.52 .42		C 70 .50 .42		" " " "		" " "	
B "		66 .52		.40 .40		D 51 1/2 .50 .42		" " " "		" " "	
C "		66 .56		.40 .40		E 49 .52 .40		" " " "		" " "	
D "		70 .56		.40 .40		F 59 .56 .44		" " " "		" " "	
E "		57 .64		.40 .40		G 60 .56 .44		6 1 4		7/8 3 1/2	
F "		43 .80		.40 .40		H 60 .64 .40		5 1/2 7/8 3 1/2		1 3 1/2	
Upper Sheer		60 .58		.40 .40		J 43 .80 .40		Single 3 " "		Treble 7/8 3 1/2	
P.D.K. Sheer											
K "											
L "											
M "											
N "											
O "											
P "											
Q "											
R "											
S "											
T "											
U "											
V "											
W "											
THICKNESS OF SHEER STRAKE											
CLEAR OF LONG BRIDGE											
DO. OF STRAKE BELOW											
DBLG. of Flat Plate Keel											
" Sheerstrakes		26.0 x 31.0		.64		at fore end of Bridge; at Break of R.Q.D. plating increased in thickness					
Length and thickness.											
POOP SIDES		.32				.32		+ doubled as per app ^d plans. —			
SHORT BRIDGE SIDES		.36				.36					
FORECASTLE SIDES				.36		.36					
* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.											
Upper Deck		Butts, Quad		riveted for Half length amidship.				Butts of Side Stringers		riveted.	
Stringer Plate		Straps, single, double		overlapped for Full length amidship.				" Tie Plates		riveted.	
R.Q.D.		Butts, Double		riveted for Half length amidship.				Inner Bottom Plating, riveting of Edges		Dble. & Sgle. Butts Tble. & Sble.	
Second Deck		Straps, single, double		overlapped for Full length amidship.				Centre Girder Butts, Treble		riveted. Keelson Butts, riveted.	
Stringer Plate								Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/4 apart.			
								Rivets, state whether Iron or Steel steel			
FRAMES extend in one length from Tank side to Upper, Bridge & R.Q.Ds. State if ordinary or jogged Joggled											
REVERSED FRAMES on floors and frames extend from Centre line to Tank side Joggled											
State if ordinary or jogged Joggled											
MASTS, SPARS, &c.											
Material.		Total Length.		DIAMETER AND THICKNESS.				No. of Plates in round.		ANGLES.	
				At Partners.		Heel. Hounds. Head.				Number. Size.	
										Seams. Butts.	
Wireless											
LOWER MAST		Steel 49.6		20 x 7/20		20 x 7/20		16 1/2 x 6/20			
Bowsprit											
Topmasts, Yards and Remainder of Spars		30'-0" P. Pine telescopic									
Rigging, Material and Size, Shrouds		✓						Stays 3" steel wire			
Sails. none		Suit of —						Sails, and the following spare sails			

EQUIPMENT No. 19283				LETTER S				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	
22910	1st Bower	39	1	21	stockless			35	8	3	0	38	3	0	Byers Stockless
22909	2nd "	39	0	7	"			35	4	0	7	38	3	0	"
22798	3rd "	33	0	21	"			31	1	1	0	32	2	0	"
	4th "														
	Collective weight.	111	2	21								110	0	0	
27856	Stream	10	0	12	2	2	22	12	2	0	21	10	0	0	Common
22938	Kedge	5	0	0	1	1	0	7	7	2	0	5	0	0	"

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Weight of Head	21-3-21	DDW	N°1391	Tested at Sld.	26-3-18
	2nd "	"	21-3-21	DDW	N°1390	"	26-3-18
	3rd "	"	18-1-25	RWD	N°223	"	Mdb. 8-3-18
	4th "	"					

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE				Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.		
	Length.	Diam.		Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
44156	95	1 1/16	598	82 1/2	2-2-21					STUD	Bloomer & Son	Tip. 19-8-14 Pursall	TOWLINE SW.	90	4	33	90	4	
10725B	30	1 1/16	"	"	49-3-14	347-1-14	210	1 1/16		STUD	"	Sld. 22-3-18 } Haffner	HAWSERS & WARPS	2-90	2 1/2	12 1/2	2-90	2 1/2	
11247	179	"	"	"	299-0-0						"	" 2-5-18 "	"	2-90	2 1/4	9 1/2	2-90	7	
	75	4 1/4		35			75	4 1/4											

Boats	2 Lifeboats and 1 Dingy	Steering Gear, Steam	8" x 8" Lynn's	Steering Gear, Hand	5 1/2" screw
Pumps, Number	Not fitted (War emergency)	Diameter of Barrel	✓	State whether they are in efficient working order	✓
Windlass is	Direct Steam	Capstan	Warping ends on Windlass		
Engine Room Skylights.	How constructed? steel plates & angles	What arrangements for deadlights in bad weather?	Bulls eyes		
Coal Bunker Openings.	How constructed? steel plates & angles	How are lids secured?	cleats & battens	Height above deck?	on casing top
Number of Scuppers, and numbers and dimensions of	Freeing Ports, &c.	7 ea. side	9 ports each side	3-3x1-3 oval	
Ceiling in Holds, thickness and material	none	Cargo Battens, thickness and material	none		
Cargo Hatchways.	How formed? steel plates & angles	Hatches, If strong and efficient?	yes 3"		
State size No. 1 Hatch (Forward)	27-0 x 16-11-24-8	No. 2 Hatch	42-0 x 26-2-27-7	No. 3 Hatch	25 x 27-6 - 26-0
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch	N°1.5 N°2.8 N°3.5 N°4.5				
Bulwarks, height above deck	WOOD, SKINNER & CO. LIMITED.	No. of Breasthooks	7 inc.	Decks	No. of Crutches
The foregoing is a correct description	Steel 3-6" Bull stays 8" x 40	Main Rail, material and size	Tyzacks section		
Builder's Signature (here only)	Elshie & Rimmer	Surveyor's Signature	Hy. B. Tiltman.		

Correspondence.	State dates and initials of letters respecting this case. Reference should be made in any correspondence connected with the case)
	see correspondence regarding "D" Type vessels.
Workmanship.	Are the butts of plating planed or otherwise fitted? Planed.
Is the riveted work properly closed?	yes
Are the liners between the frames and plates solid single pieces?	Joggled frames
to plate, &c., conform well to each other?	yes.
from the faying surfaces?	yes
Are the butts of Plating, Stringers, &c., properly shifted and strapped?	yes
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?	yes
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?	yes
General Remarks (State quality of workmanship, &c.)	
This vessel is a sister ship to S.S. "War Balloon", and has been built in accordance with the plans approved for the standard "D" vessels, the Secretary's letters, & in general conformity with the Rules for the 100 A.I. class.	
The workmanship and material are of good quality.	
The freeboards assigned by the Committee have been marked on the vessels sides and verified.	
A copy of the midship section of the vessel as built is attached. Forging reports enclosed.	
It will be observed from Profile herewith that Engine room bulkhead is one frame space forward of corresponding bulkhead in the S/S "War Balloon".	

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.	
The amount of Entry Fee	£ : : Fees applied for, 18 SEP 1918
Special Survey Fee....	£ 104 : 2 : 8 Received by me, 20 SEP 1918
Travelling Expenses, if any £	: :
State whether the Vessel has been built under Special Survey	yes
I am of opinion this Vessel should be Classed	+ 100 A.I.
With, or without Freeboard, as condition of Class	without
Hy. B. Tiltman. Surveyor to Lloyd's Register of Shipping.	

Committee's Minute	1 FRI. 27 SEP 1918
Character assigned	100 A.I.
	Cargo hold not fitted
	Lloyd's Reg. Co.
	24th 9.18
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	Lloyd's Register Foundation

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28 ft., R.Q.D. 105 ft., Bridge 56 ft., Forecastle 28 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop on R. Q. Deck; R. Q. Deck joined to Bridge Deck*

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given and should appear in the Register Book) *1 Deck (stl) 1 tier of beams.*
 Official No. 142646 ; Signal Letters _____ State if Machinery is fitted aft *no*
 How are the surfaces preserved from oxidation? Inside *Cement and paint* Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. *Cell. D. B.*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	74	148	Fore peak tank,		122
Double bottom, under Engines and Boilers,	42	132	After peak tank,		234
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	112.0	208	Other tanks, if fitted,		
Total capacity of double bottom		568	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules *yes*

Order for Special Survey No. 4718
 Date 10.11.1917
 No. 211 in builder's yard.
 DATES OF SURVEYS held while building
 1917. Sept 21. 28. Oct. 16. 26. 29. Nov. 12. 16. 30. Dec. 6. 13. 19. 24. 27. 1918. Jan 7. 15. 18. 23. 31. Feb. 14. 18. Mar 5. 11. 22. Apr. 15. 24. 29. May. 1. 3. 7. 9. 10. 14. 17. 24. 30. Jun 25. July 1. 8. 11. 17. 19. 23. 26. 27. 28. Sep 2. 10. 16.

Surveyor's Signature *Hy. B. Tiltman.*

